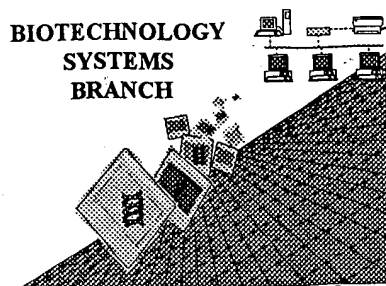


0280



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/029,397
Source: OIP/E
Date Processed by STIC: 1/15/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission

User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/029,397

DATE: 01/15/2002
 TIME: 07:53:27

Input Set : A:\Ambi076.app
 Output Set: N:\CRF3\01152002\J029397.raw

p. 6

3 <110> APPLICANT: MURPHY, GEORGE L.
 4 WHITLEY, J. PENN
 6 <120> TITLE OF INVENTION: METHOD AND SYSTEM FOR DEPLETING rRNA POPULATIONS
 8 <130> FILE REFERENCE: AMBI:076US
 10 <140> CURRENT APPLICATION NUMBER: US/10/029,397
 11 <141> CURRENT FILING DATE: 2001-12-20
 13 <160> NUMBER OF SEQ ID NOS: 73
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 22
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 24 Primer
 26 <400> SEQUENCE: 1
 27 ctgctgcctc ccgtaggagt ct 22
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 23
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 37 Primer
 39 <400> SEQUENCE: 2
 40 cgtattaccg cggtgctgg cac 23
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 23
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 50 Primer
 52 <400> SEQUENCE: 3
 53 cgccagtaa ttccgattaa cgc 23
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 23
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 63 Primer
 65 <400> SEQUENCE: 4
 66 tggactacca gggatatctaa tcc 23
 69 <210> SEQ ID NO: 5
 70 <211> LENGTH: 23
 71 <212> TYPE: DNA

**Does Not Comply
 Corrected Diskette Needed**

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/029,397

DATE: 01/15/2002
 TIME: 07:53:27

Input Set : A:\Ambi076.app
 Output Set: N:\CRF3\01152002\J029397.raw

```

72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
76     Primer
78 <400> SEQUENCE: 5
79 gggttgcgct cgttgcgga ctt
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 23
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
89     Primer
91 <400> SEQUENCE: 6
92 taaggaggtg atccaaccgc agg
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 23
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
102     Primer
104 <400> SEQUENCE: 7
105 ggttcttttt cactcccctc gcc
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 23
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
115     Primer
117 <400> SEQUENCE: 8
118 gaccattat acaaaaggta cgc
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 23
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
128     Primer
130 <400> SEQUENCE: 9
131 gccccgttac atcttcgcg cag
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 23
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
141     Primer

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,397

DATE: 01/15/2002

TIME: 07:53:27

Input Set : A:\Ambi076.app

Output Set: N:\CRF3\01152002\J029397.raw

```

143 <400> SEQUENCE: 10
144 cgacaaggaa ttctgctacc tta 23
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 22
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
154 Primer
156 <400> SEQUENCE: 11
157 cttaccgcgac aaggaatttc gc 22
160 <210> SEQ ID NO: 12
161 <211> LENGTH: 23
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
167 Primer
169 <400> SEQUENCE: 12
170 gagccgacat cgaggtgcc aac 23
173 <210> SEQ ID NO: 13
174 <211> LENGTH: 21
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
180 Primer
182 <400> SEQUENCE: 13
183 ggттаagcct cacggttc t 21
186 <210> SEQ ID NO: 14
187 <211> LENGTH: 14
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
193 Primer
195 <400> SEQUENCE: 14
196 ggaagcgac ggc a 14
199 <210> SEQ ID NO: 15
200 <211> LENGTH: 23
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
206 Primer
208 <400> SEQUENCE: 15
209 ccccttctcc cgaagttacg ggg 23
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 21

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/029,397

DATE: 01/15/2002
TIME: 07:53:27

Input Set : A:\Ambi076.app
Output Set: N:\CRF3\01152002\J029397.raw

214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
219 Primer
221 <400> SEQUENCE: 16
222 gtgagctatt acgctttctt t 21
225 <210> SEQ ID NO: 17
226 <211> LENGTH: 23
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
232 Primer
234 <400> SEQUENCE: 17
235 taccggccgt gcgtacttag aca 23
238 <210> SEQ ID NO: 18
239 <211> LENGTH: 23
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
245 Primer
247 <400> SEQUENCE: 18
248 tgccctccaa tggatcctcg tta 23
251 <210> SEQ ID NO: 19
252 <211> LENGTH: 23
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
258 Primer
260 <400> SEQUENCE: 19
261 ctacggaaac cttgttacga ctt 23
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 23
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
271 Primer
273 <400> SEQUENCE: 20
274 gagcactggg cagaaatcac atc 23
277 <210> SEQ ID NO: 21
278 <211> LENGTH: 23
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,397

DATE: 01/15/2002

TIME: 07:53:27

Input Set : A:\Ambi076.app

Output Set: N:\CRF3\01152002\J029397.raw

```

284      Primer
286 <400> SEQUENCE: 21
287 gtttcttttc ctccgctgac taa
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 23
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
297      Primer
299 <400> SEQUENCE: 22
300 tcctcagcca agcacataca cca
303 <210> SEQ ID NO: 23
304 <211> LENGTH: 1427
305 <212> TYPE: DNA
306 <213> ORGANISM: Bacillus subtilis
308 <220> FEATURE:
309 <221> NAME/KEY: modified_base
310 <222> LOCATION: (554)..(873)
311 <223> OTHER INFORMATION: N = A, C, G or T/U
313 <400> SEQUENCE: 23
314 gagagtttga tcctggctca ggacgaacgc tggcggcgtg cctaatacat gcaagtcgag 60
315 cggacagatg ggagcttgct ccctgatgtt agcggcggac gggtgagtaa cacgtgggta 120
316 acctgcctgt aagactggga taactccggg aaaccggggc taataccgga tggttgtttg 180
317 aaccgcatgg ttcaaacata aaaggtggct tcggctacca cttacagatg gaccgcgggc 240
318 gcattagcta gttggtagag taacggctca ccaaggcaac gatgcgtagc cgacctgaga 300
319 gggtagatcg ccacactggg actgagacac ggcccagact cctacgggag gcagcagtag 360
320 ggaatcttcc gcaatggacg aaagtctgac ggagcaacgc cgcgtgagtg atgaaggttt 420
321 tcggatcgta aagctctgtt gttagggaag aacaagtacc gttcgaatag gccggtacct 480
322 tgacgggtacc taaccagaaa gccacggcta actacgtgcc agcagccgcg gtaatacgta 540
323 ggtggcaagc gttntccgga attattgggc gtaaaggggt cgcaggcggt ttcttaagtc 600
324 tgatgtgaaa gccccgggct caaccgggga gggtcatttg aaactgggga acttgagtgc 660
325 agaagaggag agtgggaattc cagctgtngc ggtgaaatgc gtagagatgt ggaggaacac 720
326 cagtggcgaa ggcgactctc tggctctgta ctgacgctga ggagcgaaag cgtgggggagc 780
327 gaacaggatt agataccctg gtagtcacg ccgtaaacga tgagtgtctaa gtgttagggg 840
328 gtttccgccc cttagtgtg cagtaacgca ttnagcactc cgctgggga gtacggtcgc 900
329 aagactgaaa ctcaaaggaa ttgacggggg ccgcacaagc ggtggagcat gtggtttaat 960
330 tcgaagcaac gcgaagaacc ttaccaggtc ttgacatcct ctgacaatcc tagagatagg 1020
331 acgtcttcgg gggcagagtg acaggtgggt catggttgtc gtcagctcgt gtcgtgagat 1080
332 gttgggttaa gtcccgaac gagcgcaacc ctggatctta gttgccagca ttcagttggg 1140
333 cactctaagg tgactgccgg tgacaaaccg gaggaagggt gggatgacgt caaatcatca 1200
334 tgccccttat gacctgggct acacacgtgc tacaatggac agaacaaagg gcagcgaaac 1260
335 cgcgaggtta agccaatccc acaaactctg tctcagttcg gatcgagtc tgcaactcga 1320
336 ctgcgtgaag ctggaatcgc tagtaatcgc ggatcagcat gccgcggtga atacgttccc 1380
337 gggccttgta cacaccgccc gtcacaccac gagagtttgt aacaccc 1427
340 <210> SEQ ID NO: 24
341 <211> LENGTH: 1544
342 <212> TYPE: DNA
343 <213> ORGANISM: Bacillus anthracis

```

<210> 73
<211> 2906
<212> DNA
<213> Yersinia enterocolitica

<220>
<221> modified_base
<222> (1168)..(1178)
<223> ←
<400> 73

*This mandatory numeric identifier
and response are needed whenever
n's or Xaa's appear in a sequence.
What do n's represent?*

FM Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,397

DATE: 01/15/2002

TIME: 07:53:28

Input Set : A:\Ambi076.app

Output Set: N:\CRF3\01152002\J029397.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:2101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:2162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:2629 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:73
L:2629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73